

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 C09D 5/24, 5/00, 123/26, C08F 2/44, 2/46, C09K 3/16**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C09D 5/24, 5/00, 123/26, C08F 2/44, 2/46, 20/00, C08G 18/02, C09K 3/00, 3/16

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean patents and applications for inventions since 1975

Korean utility models and applications for utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

e-KIPASS, CA CD, E-SPACENET

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR 1999-47851 A (URAY CO., LTD.) 05 July 1999 (05-07-1999) See the whole document	1-2, 8
A	US 5703139 A (Kim et al.) 30 December 1997 (30-12-1997) See the whole document	1-8
A	JP 2000-281736 A (SUMITOMO CHEM.) 10 October 2000 (10-10-2000) See the whole document	1-8
A	KR 1999-41619 A (LG CHEM INVESTMENT, LTD) 15 June 1999 (15-06-1999) See the whole document	1-8
A	JP 10-7939 A (SEKISUI CHEM. CO., LTD.) 13 January 1998 (13-01-1998) See the whole document	1-8

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

13 DECEMBER 2004 (13.12.2004)

Date of mailing of the international search report

**13 DECEMBER 2004 (13.12.2004)**

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INTERNATIONAL SEARCH REPORT  
Information on patent family members

International application No.  
PCT/KR2004/002037

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 1999-47851 A	05-07-1999	NONE	
US 5703139 A	30-12-1997	NONE	
JP 2000-281736 A	10-10-2000	NONE	
KR 1999-41619 A	15-06-1999	NONE	
JP 10-7939 A	13-01-1998	NONE	